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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/758,768	01/16/2004	Huey-Jiun Ngo	SKY03007	6314
25537 VERIZON PATENT MANAGEMENT GROUP 1515 N. COURTHOUSE ROAD SUITE 500 ARLINGTON, VA 22201-2909	7590 07/07/2008		EXAMINER BROMELL, ALEXANDRIA Y	
			ART UNIT 2167	PAPER NUMBER
			NOTIFICATION DATE 07/07/2008	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patents@verizon.com

Office Action Summary

Application No.

10/758,768

Applicant(s)

NGO ET AL

Examiner

ALEXANDRIA Y. BROMELL

Art Unit

2167

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 March 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date _____

1 DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 1-25 have been considered but are moot in view of the new ground(s) of rejection. Claims 1-25, which are currently pending, are considered below.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-22 and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Frederick J Duske, Jr. et al. (U.S. Patent 6,992,991, hereinafter referred to as Duske).

With respect to claim 1, Duske teaches storing a first information element in a device log in the telemetry device (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, see FIG 8-5), determining whether the first information element includes a first priority level indication (i.e. when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), storing the first information element in a first data structure in the telemetry device when it is determined that the first information element includes the first priority level indication (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, and when user creates

message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), storing a second information element in the device log (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9), determining whether the second information element includes a second priority level indication (i.e. when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), storing the second information element in a second data structure in the telemetry device when it is determined that the second information element includes the second priority level indication (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, and when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), transmitting a first message based on the first information element from the telemetry device for receipt by an operation unit (i.e. message is transmitted by the AMC (adaptive mobile communication), received by the satellite network, column 7, line 56 – column 8, line 3), and after transmitting the first message, transmitting a second message based on the second information element from the telemetry device for receipt by the operation unit, wherein an ordering of transmission is based on the first and second level priority indications (i.e. messages will be sent in order with respect to their priority levels and the position in the queue, column 30, lines 64-67, see FIG 8-11).

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FIG. 8-5

QUICK SEND	MESSAGE	MESSAGE LOGS	ADDRESS	TRANSCIVER	TERMINAL
AMERIC		PRINT	TE CORPORATION (AMSC) SERVICE (MMS)		
		VIEW INCOMING			
		VIEW OUTGOING			
		VIEW SAVED			
		VIEW NETWORK			
UNREAD: 3; SENDING: 2			MAIN MENU		
STATUS MESSAGES ARE DISPLAYED HERE					04/08/95 - 12:24PM EST

FIG. 8-11

QUICK SEND	MESSAGE	MESSAGE LOGS	ADDRESS	TRANSCIVER	TERMINAL
UNREAD	PRIORITY	FROM	MESSAGE TYPE	DATE/TIME RECEIVED	REPLY REQ.
•	HIGH	JANE	DIRECTIONS	03/20/95 - 11:23 AM EST	A V
•	MED	SAM	DELAY	03/21/95 - 03:15 PM EST	
•	MED	JOE	ROUTING	03/21/95 - 09:30 AM EST	
	MED	PAMELA	DIRECTIONS	03/22/95 - 10:49 AM EST	
	MED	SUZANNA	PICK UP	03/20/95 - 11:23 AM EST	
UNREAD: 3; SENDING: 2			INCOMING MESSAGE LOG		
STATUS MESSAGES ARE DISPLAYED HERE					04/08/95 - 12:24PM EST

With respect to claim 2, the first data structure includes a first queue, the second data structure includes a second queue, and the device log includes a third queue (i.e. first data structure may be saved log queue, second data structure may be outgoing log queue, and device log may be the network log queue, column 28, lines 1-21 and FIG 8-5).

With respect to claim 3, the first data structure is associated with the first priority level indication and the second data structure is associated with a second priority level indication (i.e. first data structure may be saved log queue, second data structure may

be outgoing log queue, and device log may be the network log queue, column 28, lines 1-21 and FIG 8-5, and the messages are identified and transmitted with respect to their priority, which identifies their position in a queue, column 20, lines 60-63).

With respect to claim 4, determining whether a third information element absent from the device log includes a third priority level indication (i.e. if the information element is not in the device log, it has not been sent by the satellite, column 4, lines 40-45), storing the third information element in a third data structure when it is determined that the third information element includes the third priority level indication (i.e. when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), and after transmitting the second message, transmitting a third message based on the third information element, wherein the ordering of transmission is further based on the first, second, and third level priority indications (i.e. messages will be sent in order with respect to their priority levels and the position in the queue, column 30, lines 64-67, see FIG 8-11).

With respect to claim 5, storing a fourth information element in the device log (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, see FIG 8-5), determining whether the fourth information element includes the first priority level indication (i.e. when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), determining whether the first data structure includes storage available for storing the fourth information element when it is determined that the fourth information element includes the first priority level

indication (i.e. system determines if there is space for a new message (which includes priority), column 28, lines 23-38), and discarding the fourth information element from consideration of storage in the first data structure when the step of determining whether the first data structure includes storage available determines that storage for storing the fourth information element is unavailable in the first data structure (i.e. if the user is attempting to save the message and this is not possible because the system has exceeded its maximum size, the software will inform the user that this is not possible, column 28, lines 47-51).

With respect to claim 6, the first data structure and the second data structure are stored in a dynamic memory included in the telemetry device, and the device log is stored in a flash memory included in the telemetry device (i.e. AMC log information is stored in flash memory, column 6, lines 15-20, and the data modified by user is stored in dynamic RAM, column 16, lines 10-13).

With respect to claim 7, receiving a request for data of the telemetry device (i.e. network requests information from AMC, column 16, lines 55-61), and transmitting a data message based on content of the device log in response to the request (i.e. AMC sends an automatic reply with the requested information, column 16, lines 55-61).

With respect to claim 8, Duske teaches a device log including a first information element and a second information element (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, see FIG 8-5), a first data structure, other than the device log, including the first information element which includes a first priority level indication (i.e.

when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), a second data structure, other than the device log, including the second information element which includes a second priority level indication (i.e. when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), and a processor configured to determine whether the first information element includes a first priority level indication, to determine whether the second information element includes a second priority level indication (i.e. when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), to transmit a first message based on the first information element from the telemetry device for receipt by an operation unit (i.e. message is transmitted by the AMC (adaptive mobile communication), received by the satellite network, column 7, line 56 – column 8, line 3), and after transmitting the first message, to transmit a second message based on the second information element from the telemetry device for receipt by the operation unit, wherein an ordering of transmission is based on the first and second level priority indications (i.e. messages will be sent in order with respect to their priority levels and the position in the queue, column 30, lines 64-67, see FIG 8-11).

With respect to claim 9, the first data structure includes a first queue, the second data structure includes a second queue, and the device log includes a third queue (i.e. first data structure may be saved log queue, second data structure may be outgoing log

queue, and device log may be the network log queue, column 28, lines 1-21 and FIG 8-5).

With respect to claim 10, the first data structure is associated with the first priority level indication and the second data structure is associated with a second priority level indication (i.e. first data structure may be saved log queue, second data structure may be outgoing log queue, and device log may be the network log queue, column 28, lines 1-21 and FIG 8-5, and the messages are identified and transmitted with respect to their priority, which identifies their position in a queue, column 20, lines 60-63).

With respect to claim 11, the processor is further configured to determine whether a third information element absent from the device log includes a third priority level indication (i.e. if the information element is not in the device log, it has not been sent by the satellite, column 4, lines 40-45), to store the third information element in a third data structure when it is determined that the third information element includes the third priority level indication (i.e. when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), and after transmitting the second message, to transmit a third message based on the third information element, wherein the ordering of transmission is further based on the first, second, and third level priority indications (i.e. messages will be sent in order with respect to their priority levels and the position in the queue, column 30, lines 64-67, see FIG 8-11).

With respect to claim 12, the device log includes a fourth information element (i.e. messages are stored in the device message logs in either an outgoing message log

(OML) or saved message log (SML), column 28, lines 1-9, see FIG 8-5), and the processor is further configured to determine whether the fourth information element includes the first priority level indication (i.e. when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63) to determine whether the first data structure includes storage available for storing the fourth information element when it is determined that the fourth information element includes the first priority level indication (i.e. system determines if there is space for a new message (which includes priority), column 28, lines 23-38), and to discard the fourth information element from consideration of storage in the first data structure when the determination of whether the first data structure includes storage available determines that storage for storing the fourth information element is unavailable in the first data structure (i.e. if the user is attempting to save the message and this is not possible because the system has exceeded its maximum size, the software will inform the user that this is not possible, column 28, lines 47-51).

With respect to claim 13, a dynamic memory including the first data structure and the second data structure, and a flash memory including the device log (i.e. AMC log information is stored in flash memory, column 6, lines 15-20, and the data modified by user is stored in dynamic RAM, column 16, lines 10-13).

With respect to claim 14, processor is further configured to receive a request for data of the telemetry device, and to transmit a data message based on content of the device log (i.e. network requests information from AMC, column 16, lines 55-61, and AMC sends an automatic reply with the requested information, column 16, lines 55-61).

With respect to claim 15, Duske teaches storing a first information element in a device log in the telemetry device (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, see FIG 8-5), determining whether the first information element includes a first priority level indication (i.e. when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), storing the first information element in a first data structure in the telemetry device when it is determined that the first information element includes the first priority level indication; storing a second information element in the device log (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, and when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), determining whether the second information element includes a second priority level indication (i.e. when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), storing the second information element in a second data structure in the telemetry device when it is determined that the second information element includes the second priority level indication (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, and when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), transmitting a first message based on the first information element from the telemetry device for

receipt by an operation unit (i.e. message is transmitted by the AMC (adaptive mobile communication), received by the satellite network, column 7, line 56 – column 8, line 3), and after transmitting the first message, transmitting a second message based on the second information element from the telemetry device for receipt by the operation unit, wherein an ordering of transmission is based on the first and second level priority indications (i.e. messages will be sent in order with respect to their priority levels and the position in the queue, column 30, lines 64-67, see FIG 8-11).

With respect to claim 16, the first data structure includes a first queue, the second data structure includes a second queue, and the device log includes a third queue (i.e. first data structure may be saved log queue, second data structure may be outgoing log queue, and device log may be the network log queue, column 28, lines 1-21 and FIG 8-5).

With respect to claim 17, the first data structure is associated with the first priority level indication and the second data structure is associated with a second priority level indication (i.e. first data structure may be saved log queue, second data structure may be outgoing log queue, and device log may be the network log queue, column 28, lines 1-21 and FIG 8-5, and the messages are identified and transmitted with respect to their priority, which identifies their position in a queue, column 20, lines 60-63).

With respect to claim 18, determining whether a third information element absent from the device log includes a third priority level indication (i.e. if the information element is not in the device log, it has not been sent by the satellite, column 4, lines 40-45), storing the third information element in a third data structure when it is determined

that the third information element includes the third priority level indication (i.e. when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), and after transmitting the second message, transmitting a third message based on the third information element, wherein the ordering of transmission is further based on the first, second, and third level priority indications (i.e. messages will be sent in order with respect to their priority levels and the position in the queue, column 30, lines 64-67, see FIG 8-11).

With respect to claim 19, storing a fourth information element in the device log (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, see FIG 8-5), determining whether the fourth information element includes the first priority level indication (i.e. when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), determining whether the first data structure includes storage available for storing the fourth information element when it is determined that the fourth information element includes the first priority level indication (i.e. system determines if there is space for a new message (which includes priority), column 28, lines 23-38), and discarding the fourth information element from consideration of storage in the first data structure when the step of determining whether the first data structure includes storage available determines that storage for storing the fourth information element is unavailable in the first data structure (i.e. if the user is attempting to save the message and this is not possible because the system has

exceeded its maximum size, the software will inform the user that this is not possible, column 28, lines 47-51).

With respect to claim 20, the first data structure and the second data structure are stored in a dynamic memory included in the telemetry device, and the device log is stored in a flash memory included in the telemetry device (i.e. AMC log information is stored in flash memory, column 6, lines 15-20, and the data modified by user is stored in dynamic RAM, column 16, lines 10-13).

With respect to claim 21, receiving a request for data of the telemetry device, and transmitting a data message based on content of the device log in response to the request (i.e. network requests information from AMC, column 16, lines 55-61, and AMC sends an automatic reply with the requested information, column 16, lines 55-61).

With respect to claim 22, Duske teaches storing a plurality of information elements in a device log in the telemetry device (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, see FIG 8-5), selectively storing each of a group of the plurality of information elements in one of a plurality of data structures in the telemetry device based on a priority indicator associated with each one of tile information elements of the group (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, and when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), a selecting one of the plurality of data structures based on one of the priority indicators, and transmitting a message including

one of the information elements of the selected one of the data structures from the telemetry device for receipt by an operation unit (i.e. message is transmitted by the AMC (adaptive mobile communication), received by the satellite network, column 7, line 56 – column 8, line 3, and messages will be sent in order with respect to their priority levels and the position in the queue, column 30, lines 64-67, see FIG 8-11).

With respect to claim 24, Duske teaches means for storing a plurality of information elements in a device log in the telemetry device (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, see FIG 8-5), means for selectively storing a group of each of the plurality of information elements in one of a plurality of data structures in the telemetry device based on a priority indicator associated with each one of the information elements (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, and when user creates message, they must specify the message priority which determines when the message should be sent, column 20, lines 40-63), means for selecting one of the plurality of data structures based on one of the priority indicators, and means for transmitting a message including one of the information elements of the selected one of the data structures from the telemetry device to an operation unit (i.e. message is transmitted by the AMC (adaptive mobile communication), received by the satellite network, column 7, line 56 – column 8, line 3, and messages will be sent in order with respect to their priority levels and the position in the queue, column 30, lines 64-67, see FIG 8-11).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 23 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Frederick J Duske, Jr. et al. (U.S. Patent 6,992,991, hereinafter referred to as Duske) in view of Ronald J. Lebel et al. (U.S. Patent 6,740,075, hereinafter referred to as Lebel).

With respect to claim 23, Duske teaches storing the plurality of data structures in a memory including the device log (i.e. messages are stored in the device message

logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, see FIG 8-5). Duske does not explicitly disclose how the telemetry device receives power when the external power fails. However, Lebel teaches how power is supplied to the telemetry device when an external power source of the telemetry device fails (i.e. a replaceable or backup battery is used to power device, column 10, line 67 – column 11, line 5). Duske and Lebel are analogous art because they are from the same field of endeavor of telemetry devices.

At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify the system of Duske with the teachings of Lebel in order to provide power to the telemetry device when external power fails (Duske, column 10, line 67 – column 11, line 5). The motivation for doing so would have been to monitor the power supply (Duske, column 8, lines 1-7).

With respect to claim 25, Duske teaches means for storing the plurality of data structures in a memory including the device log (i.e. messages are stored in the device message logs in either an outgoing message log (OML) or saved message log (SML), column 28, lines 1-9, see FIG 8-5). Duske does not explicitly disclose how the telemetry device receives power when the external power fails. However, Lebel teaches how power is supplied to the telemetry device when an external power source of the telemetry device fails (i.e. a replaceable or backup battery is used to power device, column 10, line 67 – column 11, line 5). Duske and Lebel are analogous art because they are from the same field of endeavor of telemetry devices.

At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify the system of Duske with the teachings of Lebel in order to provide power to the telemetry device when external power fails (Duske, column 10, line 67 – column 11, line 5). The motivation for doing so would have been to monitor the power supply (Duske, column 8, lines 1-7).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALEXANDRIA Y. BROMELL whose telephone number is (571)270-3034. The examiner can normally be reached on M-R 6:30-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John R. Cottingham can be reached on 571-272-7079. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Alexandria Y Bromell/
Examiner, Art Unit 2167
June 26, 2008

/S. A. A./
Primary Examiner, Art Unit 2162

/John R. Cottingham/
Supervisory Patent Examiner, Art Unit 2167